

**Claim Amendment under 37 C.F.R. §1.121**

Claim 1. (currently amended) A centrifuge, comprising; a centrifugal motor; a rotor coupled to an output shaft of the centrifugal motor; and a rotor lever mounted to the rotor to rotatably support a bucket containing a sample therein, wherein the centrifuge further comprises:

an upper sensing plate provided below a rotating track of the bucket, the upper sensing plate moving upwards to spatially isolate and seat the bucket;

weight sensing means provided under the upper sensing plate to sense a weight of the bucket seated on the upper sensing plate;

position sensing means to sense a predetermined high position and a predetermined low position of the upper sensing plate;

lift means to move both the upper sensing plate and the weight sensing means vertically; and

control means to control an operation of the centrifugal motor, to control the lift means using a signal output from the position sensing means, and to determine the weight of the bucket using a signal output from the weight sensing means.

Claim 2. (original) The centrifuge according to claim 1, further comprising: lift guide means to guide vertical movement of the lift means